

EXHIBIT A

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United States Patent**5,334,526****Smith , et al.****August 2, 1994**

Cloning and expression of AluI restriction endonuclease

Abstract

The present invention is directed to recombinant hosts which contain and express the AluI Type-II restriction endonuclease gene. The present invention is also directed to vectors or DNA molecules which contain the gene, and to methods of producing the AluI enzyme. One source of the enzyme is *Arthrobacter luteus*, although other microorganisms may be used to isolate restriction endonuclease isoschizomers of the invention.

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Current U.S. Class:**435/199 ; 435/193; 435/252.33; 435/320.1****Current International Class:****C12N 9/22 (20060101); C12N 009/22 (); C12N 015/63 (); C12N 015/70 ()****Field of Search:****435/199,193,252.33,320.1****References Cited [Referenced By]****U.S. Patent Documents**

4983542	January 1991	Van Cott et al.
4996151	February 1991	Brooks et al.
5002882	March 1991	Lunnen et al.
5082784	January 1992	Chatterjee et al.
5147800	September 1992	Hammond et al.
5179015	January 1993	Wilson et al.
5200333	April 1993	Wilson

Foreign Patent Documents